

January 25, 2022

Mr. Terry Coble
Covanta Stanislaus, Inc.
4040 Fink Rd
Crows Landing, CA 95313

Re: Notice of Final Action - Title V Permit Renewal
Facility Number: N-2073
Project Number: N-1203838

Dear Mr. Coble:

The District has issued the Final Renewed Title V Permit for Covanta Stanislaus, Inc. (see enclosure). The preliminary decision for this project was made on December 10, 2021. No comments were received for this project during the public or EPA comment periods.

The public notice for issuance of the Final Title V Permit will be posted on the District's website (www.valleyair.org).

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Nick Peirce, Permit Services Manager, at (209) 557-6400.

Sincerely,



Brian Clements
Director of Permit Services

Enclosures

cc: Courtney Graham, CARB (w/enclosure) via email
cc: Laura Yannayon, EPA (w/enclosure) via EPS

Samir Sheikh
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: (661) 392-5500 FAX: (661) 392-5585

Permit to Operate

FACILITY: N-2073

EXPIRATION DATE: 10/31/2026

LEGAL OWNER OR OPERATOR:

COVANTA STANISLAUS, INC

MAILING ADDRESS:

PO BOX 278
CROWS LANDING, CA 95313

FACILITY LOCATION:

4040 FINK RD
CROWS LANDING, CA 95313

FACILITY DESCRIPTION:

MUNICIPAL SOLID WASTE COMBUSTOR

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

Samir Sheikh
Executive Director / APCO

Brian Clements
Director of Permit Services

San Joaquin Valley

Air Pollution Control District

FACILITY: N-2073-0-4

EXPIRATION DATE: 10/31/2026

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; Stanislaus County Rule 110; and PSD SJ 86-03] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; Stanislaus County Rule 110; and PSD SJ 86-03] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.12.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

Facility Name: COVANTA STANISLAUS, INC
Location: 4040 FINK RD, CROWS LANDING, CA 95313
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10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7 and PSD SJ 86-03] Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1 and PSD SJ 86-03] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2 and PSD SJ 86-03] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3 and PSD SJ 86-03] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4 and PSD SJ 86-03] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101 and Stanislaus County Rule 401] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
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36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. In the event of changes in control or ownership, this Operating Permit shall be binding on new owners and operators. The applicant shall notify successor of the existence of this Operating Permit and its conditions in writing and forward a copy to the District, California Air Resources Board, and EPA. [PSD SJ 86-03] Federally Enforceable Through Title V Permit
42. The applicant shall construct and operate the facility in compliance with all other applicable provisions of 40 CFR Parts 52, 60 and 61 and all other applicable Federal, State and District air quality regulations. [PSD SJ 86-03] Federally Enforceable Through Title V Permit
43. All correspondence as required by this Operating Permit shall be forwarded to: the District; Director, Air & Toxics Div. (Attn: A-3-3), EPA Region 9, 75 Hawthorne St. San Francisco, CA 94105; and Director, Stationary Source Div., CARB, Box 2815, Sacramento, CA 95812. [PSD SJ 86-03] Federally Enforceable Through Title V Permit
44. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan when mandated by the regulation. [40 CFR Part 68] Federally Enforceable Through Title V Permit
45. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
46. Compliance with permit conditions in the Title V permit shall be deemed compliance with following applicable requirements: 40 CFR 82 Subparts A, B, C, D, E and F. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
47. A permit shield from the requirements of District Rule 4106 (6/11/2001) is granted since this facility does not perform prescribed burning nor does the facility perform hazard reduction burning in a wildland or urban interface. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
48. A permit shield from the requirements of District Rule 4204 (2/17/05) is granted since this facility does not meet the definition of a cotton ginning facility. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

49. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin January 1st of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley

Air Pollution Control District

PERMIT UNIT: N-2073-1-19

EXPIRATION DATE: 10/31/2026

EQUIPMENT DESCRIPTION:

TWO 400 TON/DAY MUNICIPAL SOLID WASTE COMBUSTOR/BOILERS PRODUCING 21.5 MW OF ELECTRICITY EQUIPPED WITH DRY LIME SCRUBBERS, FLY ASH BAGHOUSE, AMMONIA INJECTION SYSTEM, LIME SLURRY INJECTION, ACTIVATED CARBON INJECTION SYSTEM, LIME AND SODA AND CARBON SILOS WITH FILTER VENTS, WASTE RECEIVING, ASH CONVEYING, AND ASH RESIDUE ENCLOSURE

PERMIT UNIT REQUIREMENTS

1. All equipment, facilities and systems installed or used to comply with the terms and conditions of this Permit to Operate shall be maintained in good working order and be operated as required to meet the conditions of this permit. Operator shall, on each boiler, continuously operate and maintain the following air pollution controls to minimize emissions: baghouse for the control of particulates; lime slurry dry scrubber for the control of SO₂ and acid gas emissions; and ammonia injection system for the control of NO_x emissions. [District Rule 2080 & PSD SJ 86-03] Federally Enforceable Through Title V Permit
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule and 40 CFR Part 64] Federally Enforceable Through Title V Permit
3. The baghouse shall have a maximum effective air-to-cloth ratio of 4:1 and shall be equipped with an automatic cleaning mechanism. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Replacement bags numbering at least 10% of the total number of bags in the largest individual combustion unit baghouse using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from any location other than designated vents on refuse receiving, processing or storage buildings at any time, except as provided in this permit to operate. Visible emissions shall be inspected quarterly under material and environmental conditions, such as dry and windy, where high emissions are expected. [District Rules 2520, 9.3.2 and NSR] Federally Enforceable Through Title V Permit
6. Paved areas shall be kept free of visible dust at all times and shall be vacuum swept at least once every fourteen days. Records of vacuum sweeping shall be maintained and made available to the District upon request. [District Rule 4102]
7. The NO_x control system shall be in full use whenever this equipment is fired with MSW. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The total PM₁₀ emissions from the ash handling system (including ferrous and non-ferrous material recovery operations) inside the ash enclosure shall not exceed 1.2 pounds in any one day and 402 pounds in any rolling 12 consecutive month period. The permittee shall maintain records sufficient to demonstrate compliance with these limits. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The PM₁₀ emissions from the non-ferrous material recovery equipment in the ash enclosure shall not exceed 183 pounds in any rolling 12 consecutive month period. The permittee shall maintain records sufficient to demonstrate compliance with this limit. These records shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

10. The ash shall be handled in such a manner as to mitigate fugitive emissions to the maximum extent possible. Enclosure shall be completely inspected annually for evidence of particulate matter leaks and repaired as needed. [District Rules 2520, 9.3.2 and NSR] Federally Enforceable Through Title V Permit
11. The facility shall not cause visible emissions from ash conveying systems, including transfer points, in excess of 5% of the observation period, as determined by performing EPA Method 22 on a quarterly basis. Fugitive ash emissions do not include emissions within a building, an enclosed ash conveyor, or during periods of maintenance and repair of the ash conveyor systems. [40 CFR 60.36b] Federally Enforceable Through Title V Permit
12. Fuel Oil #2, with a sulfur content not to exceed 0.25% by weight, may be used as necessary to maintain the minimum combustion zone temperature requirements and annual usage shall not exceed 1,108,321 gallons for each combustor. [District NSR Rule, 40 CFR 60. 44b(c) & PSD SJ 86-03] Federally Enforceable Through Title V Permit
13. A furnace roof temperature of 1,100 degrees F shall be stabilized, as measured by multiple thermocouples, to ensure that a minimum temperature of 1,800 degrees F is established above the grate prior to the ignition of MSW. [District NSR Rule] Federally Enforceable Through Title V Permit
14. During any period of time that MSW is burning on the grates, the combustion gas retention time shall be maintained at a minimum of one second, the combustion zone temperature shall be maintained at a minimum of 1,800 degrees F, and the furnace roof temperature shall be maintained at an average (4 hour arithmetic block) of 1,100 degrees F, except during periods of start-up, shutdown, and malfunction, as defined in 40 CFR 60.58b(a). [District NSR Rule] Federally Enforceable Through Title V Permit
15. Hazardous materials shall not be burned in this equipment. Hazardous materials are that portion of solid waste which, by reason of its composition or characteristics, is: (a) hazardous waste as defined in the Solid Waste Disposal Act, 42 USC section 6901 et. seq., and the regulations thereunder, the California Health & Safety Code, Div. 20, Chs. 6.5, 6.7, and 6.8 (section 25100 et. seq.), the California Code of Regulations, Title 22, Div. 4.5, and any similar or substituted legislation or regulations or amendments to the foregoing; (b) any other materials which any governmental agency or unit having appropriate jurisdiction shall determine from time to time is harmful, toxic, or dangerous, or otherwise ineligible for disposal through the facility; and (c) any material, other than residential or commercial solid waste of the type historically collected by the County and the City as acceptable for disposal into non-hazardous waste landfills, which would result in process residue being hazardous waste under (a) or (b) above. [District Rule 4102]
16. Hazardous waste, as defined in 40 CFR 261.3, shall not be combusted by the municipal solid waste combustors. [40 CFR 63 Subpart EEE] Federally Enforceable Through Title V Permit
17. The facility shall develop and annually update a site-specific operating manual in accordance with 40 CFR 60.54b(e). [40 CFR 60.35b] Federally Enforceable Through Title V Permit
18. Each operator and all maintenance personnel shall receive initial and annual training on the site-specific operating manual in accordance with 40 CFR 60.54b(f). [40 CFR 60.35b] Federally Enforceable Through Title V Permit
19. The site-specific operating manual and operating manual training records shall be accessible to all operations and maintenance personnel and shall be made available to the enforcement agency upon request. [40 CFR 60.35b] Federally Enforceable Through Title V Permit
20. The District reserves the right to require the permittee to re-evaluate the health risk assessment if there is a significant change in population locations as projected in the currently approved health risk assessment, or new health data becomes available. [District Rule 4102]
21. During any 3-hour periods of startup, shutdown, and malfunction, the facility shall be exempt from emission limits identified in this permit which are based upon 40 CFR 60 Subpart Cb or Subpart Eb. This exemption shall not apply to CO emission limits of 40 CFR 60.53b(a) if the malfunction is a loss of boiler water level control. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Opacity exhibited by the gases discharged to the atmosphere from each combustion unit, other than water vapor, shall not exceed 10 percent based on a six minute average as measured by EPA Method 9. [40 CFR 60.33b and 40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

23. The carbon monoxide (CO) emissions from each combustion unit shall not exceed 100 ppmv, dry, corrected to 7% O₂, as measured utilizing EPA Methods 1-4 and 10. Compliance with this limit shall be determined based on a four hour block arithmetic average as defined in 40 CFR 60.51b. [District Rule 4352 and 40 CFR 60.34b] Federally Enforceable Through Title V Permit
24. The NO_x emissions from each combustion unit shall not exceed 200 ppmv, dry, corrected to 12% CO₂ as measured by EPA Methods 1-4 and 7E. Compliance with this limit shall be determined based on an eight rolling hour average. [District NSR Rule, and 40 CFR 60.33b] Federally Enforceable Through Title V Permit
25. Either the SO₂ emissions from each combustion unit shall not exceed 30 ppmv, dry, corrected to 12% CO₂, based on an eight hour rolling average, or the SO₂ removal efficiency shall be at least 80% as measured by EPA Methods 1-4 and 6C. The SO₂ 80% removal efficiency shall be based on the measurement of the inlet and outlet SO₂ concentrations, corrected to 12% CO₂. [District NSR Rule] Federally Enforceable Through Title V Permit
26. The SO₂ emissions from each combustion unit shall not exceed 29 ppmv, dry, corrected to 12% CO₂, or the SO₂ removal efficiency shall be at least 75% (by weight or volume), whichever is less stringent as measured by EPA Methods 1-4 and 6C. Compliance with this limit shall be determined based on a 24-hour daily geometric mean. EPA method 19 shall be used to calculate the daily geometric average sulfur dioxide emission concentration and removal efficiency. [40 CFR 60.33b] Federally Enforceable Through Title V Permit
27. Particulate matter emissions from each combustion unit shall not exceed 0.0275 gr/dscf, corrected to 12% CO₂, as measured by EPA Methods 1 through 5, including the condensable portion in the "back-half". [District Rule 4201 and District NSR Rule] Federally Enforceable Through Title V Permit
28. Filterable particulate matter (i.e. front half) emissions from each combustion unit shall not exceed any of the following emission limits: 0.011 gr/dscf, corrected to 12% CO₂; 25 milligrams/dscf, corrected to 7% O₂; 0.10 lb/MMBtu heat input. Owner or operator shall conduct a performance test for particulate matter on a calendar year basis (no less than 9 calendar months and no more than 15 calendar months following the previous performance test, and must complete five performance tests in each 5-year calendar period) with EPA Method 1; EPA Method 3, 3A, or 3B; and EPA Method 5. The minimum sample volume shall be 1.7 cubic meters. The probe and filter holder heating systems in the sample train shall be set to provide a gas temperature no greater than 160 degrees C. An oxygen or carbon dioxide measurement shall be obtained simultaneously with each Method 5 run. [District NSR Rule, 40 CFR 60.33b, 40 CFR 60.38b, and 40 CFR 60.43b(d)(1)] Federally Enforceable Through Title V Permit
29. Filterable particulate matter emissions from each combustion unit shall not exceed 0.008 gr/dscf, corrected to 12% CO₂, for the fraction of particles less than 2 μ in diameter, as measured by Andersen Cascade Impactor, Flow Sensor Multiclone or any other equivalent measurement as validated by EPA Method 301. [District NSR Rule] Federally Enforceable Through Title V Permit
30. Each combustion unit shall only be allowed to emit half of the total allowable (mass) emission rate for each pollutant. [District NSR Rule] Federally Enforceable Through Title V Permit
31. The CO emissions shall not exceed 800 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
32. The CO emissions shall not exceed 121.9 tons/yr. The annual emissions shall be computed on a daily (i.e. 24 hours) basis and shall be running total of the latest 8,760 hours. [District NSR Rule & PSD SJ 86-03] Federally Enforceable Through Title V Permit
33. The NO_x emissions shall not exceed 2,260 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
34. The NO_x emissions shall not exceed 344.4 tons/year. The annual emissions shall be computed on a daily (i.e. 24 hours) basis and shall be running total of the latest 8,760 hours. [District NSR Rule & PSD SJ 86-03] Federally Enforceable Through Title V Permit
35. The SO₂ emissions shall not exceed 800 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

36. The SO₂ emissions shall not exceed 121.9 tons/year. The annual emissions shall be computed on a daily (i.e. 24 hours) basis and shall be running total of the latest 8,760 hours. [District NSR Rule & PSD SJ 86-03] Federally Enforceable Through Title V Permit
37. The PM emissions shall not exceed 475 pounds in any one day. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 using the equation $E=3.59 \times P^{0.62}$ if P is less than or equal to 30 tons per hour, or $E=17.37 \times P^{0.16}$ if P is greater than 30 tons per hour. Particulate emissions shall be no more than 0.1 lbs per 100 lbs of combustible refuse charged. [District Rules NSR, 4202, and 4203, 4.3] Federally Enforceable Through Title V Permit
38. Permittee shall not discharge into the atmosphere, from either combustor, any particles which are individually large enough to be visible while suspended in the atmosphere. [District Rule 4203]
39. The PM emissions shall not exceed 72.4 tons/year. The annual emissions shall be computed on a monthly basis and shall be running total of the latest 12 months. [District NSR Rule] Federally Enforceable Through Title V Permit
40. The combined post-control PM₁₀ emissions from the combustion units shall not exceed 70 ton/yr. The annual emissions shall be computed on a monthly basis and shall be running total of the latest 12 months. [District Rule 2201 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
41. Emissions of combustion contaminants from each fuel burning equipment unit shall not exceed 0.1 gr/dscf, corrected to 12% CO₂, and 10 lb/hr. Combustion contaminants are defined as total PM (filterable plus condensable) minus the ammonium salts (e.g. ammonium chloride, ammonium sulfate, ammonium bisulfate, etc.) present in the condensable PM fraction. A "fuel burning equipment unit" is the minimum number of fuel burning equipment required to operate simultaneously for the production of useful heat. Compliance with this emission limit shall be demonstrated annually by source test conducted according to EPA Methods 5 and 202 (or other APCO approved methods). Ammonium salts in the condensable PM fraction shall be determined by analysis of the condensable PM fraction by ion chromatography (or other APCO approved method). [District Rule 4301] Federally Enforceable Through Title V Permit
42. The THC emissions shall not exceed 96 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
43. The THC emissions shall not exceed 14.6 tons/year. The annual emissions shall be computed on a monthly basis and shall be running total of the latest 12 months. [District NSR Rule] Federally Enforceable Through Title V Permit
44. The THC emissions (as CH₄) from each combustion unit shall not exceed 70 ppmv, dry, corrected to 12% CO₂ as measured by EPA Methods 1-4 and 25A. [District NSR Rule] Federally Enforceable Through Title V Permit
45. Ammonia (NH₃) breakthrough of the exhaust shall not exceed 50 ppmv, dry, as measured by BAAQMD Method ST-1B. The facility shall be exempt from this condition for periods of start-up, shutdown, and malfunction as defined in 40 CFR 60.58b(a). [District Rule 4102]
46. The Antimony emissions from each combustion unit shall not exceed 0.0315 g/s as measured by CARB Method 436. [District Rule 4102]
47. The Arsenic emissions from each combustion unit shall not exceed 0.0005 g/s as measured by CARB Method 436. [District Rule 4102]
48. The Beryllium emissions from each combustion unit shall not exceed 0.00005 g/s as measured by CARB Method 436. [District Rule 4102]
49. The Cadmium emissions from each combustion unit shall not exceed either of the following: 0.0013 g/s; 0.035 milligrams/dscf, corrected to 7% O₂; each as measured by EPA Methods 1, 3, and 29 [40 CFR 60.33b and District Rule 4102] Federally Enforceable Through Title V Permit
50. The Chromium +6 emissions from each combustion unit shall not exceed 0.00005 g/s as measured by CARB Method 436 (5% of the total chromium shall be considered to be hexavalent chromium). [District Rule 4102]
51. The Copper emissions from each combustion unit shall not exceed 0.155 g/s as measured by CARB Method 436. [District Rule 4102]

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52. The Dioxin/Furan emissions from each combustion unit shall not exceed 30 ng/dscm (total mass), corrected to 7% O₂, as measured by EPA Method 23. [40 CFR 60.33b] Federally Enforceable Through Title V Permit
53. The Dioxin/Furan emissions from each combustion unit shall not exceed 50 ng/s, based on the Department of Health Services toxic equivalent calculation. [District Rule 4102]
54. The Hydrogen Fluoride (HF) emissions from each combustion unit shall not exceed 0.05 g/s as measured by EPA Method 26. [District Rule 4102]
55. The Hydrogen Chloride (HCl) emissions from each combustion unit shall not exceed either of the following: 1.4 g/s; 29 ppmv or the HCl removal efficiency shall be at least 95% (by weight or volume), whichever is less stringent, corrected to 7% O₂; each as measured by EPA Method 26. [40 CFR 60.33b and District Rule 4102] Federally Enforceable Through Title V Permit
56. The Lead emissions from each combustion unit shall not exceed either of the following: 0.014 g/s; 0.400 milligrams/dscf, corrected to 7% O₂; each as measured by EPA Methods 1, 3, and 29. [40 CFR 60.33b and District Rule 4102] Federally Enforceable Through Title V Permit
57. The Manganese emissions from each combustion unit shall not exceed 0.055 g/s as measured by CARB Method 436. [District Rule 4102]
58. The Mercury emissions from each combustion unit shall not exceed 0.050 mg/dscm, corrected to 7% O₂, or the mercury removal efficiency shall be at least 85% by weight, whichever is less stringent, as measured by EPA Methods 1, 3, and 29. [40 CFR 60.33b] Federally Enforceable Through Title V Permit
59. The Mercury emissions from each combustion unit shall not exceed 0.0025 g/s (3-hour average). [PSD ATC SJ 86-03 and District Rule 4102] Federally Enforceable Through Title V Permit
60. The Nickel emissions from each combustion unit shall not exceed 0.025 g/s as measured by CARB Method 436. [District Rule 4102]
61. The Selenium emissions from each combustion unit shall not exceed 0.055 g/s as measured by CARB Method 436. [District Rule 4102]
62. The Vanadium emissions from each combustion unit shall not exceed 0.15 g/s as measured by CARB Method 436. [District Rule 4102]
63. The Zinc emissions from each combustion unit shall not exceed 0.315 g/s as measured by CARB Method 436. [District Rule 4102]
64. The mass emission rates shall be calculated from the hourly stack concentrations and the volumetric flow rate using municipal solid waste Carbon Dioxide based F-factor of 1820 dscf/MMBtu (EPA Method 19, Table 19-2). [District NSR Rule & PSD SJ 86-03] Federally Enforceable Through Title V Permit
65. The total steam generated from each boiler shall not exceed 110% of the maximum demonstrated combustion unit load achieved in the most recent Dioxin/Furan performance test, as defined in 40 CFR 60.51b. [40 CFR 60.34b(b)] Federally Enforceable Through Title V Permit
66. The maximum flue gas temperature, measured at the particulate matter control device inlet from each boiler, shall not be higher than 17 deg. C (31 deg. F) above the maximum demonstrated particulate matter control device temperature as defined in 40 CFR 60.51b. [40 CFR 60.34b(b)] Federally Enforceable Through Title V Permit
67. The steam load and particulate matter control device inlet flue gas temperature limitations shall apply at all times except during the annual Dioxin/Furan performance test, the two weeks preceding the annual Dioxin/Furan performance test, and when the facility obtains a waiver in accordance with permission granted by the Administrator or the Air Pollution Control Officer. [40 CFR 60.53b(b)] Federally Enforceable Through Title V Permit
68. The ammonia (NH₃) injection rate shall be measured and recorded continuously. [District NSR Rule] Federally Enforceable Through Title V Permit

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These terms and conditions are part of the Facility-wide Permit to Operate.

69. For the purpose of demonstrating compliance with NO_x, SO_x and CO emissions limits using CEMS data, at least 75% of hourly averages comprising the applicable averaging period must be valid, as defined in 40 CFR 60.13. [District Rule 2080] Federally Enforceable Through Title V Permit
70. The facility may install, calibrate, maintain, and operate a backup CEM to monitor NO_x, SO₂, CO and CO₂ in accordance with 40 CFR 60.58b and Appendices B and F. Permittee shall identify all periods during which backup CEMS data has been used in the monthly report submitted pursuant to condition 99 of this permit. [District Rule 1080] Federally Enforceable Through Title V Permit
71. The facility shall install, calibrate, maintain, and operate a carbon dioxide CEM at the economizer and stack locations of each combustion unit, in accordance with 40 CFR 60.58b(b) and Appendices B and F. [40 CFR 60.38b and District Rule 4352] Federally Enforceable Through Title V Permit
72. The facility shall install, calibrate, maintain, and operate a continuous opacity monitoring system in accordance with 40 CFR 60.13 and Appendix B. [40 CFR 60.38b and 40 CFR Part 64] Federally Enforceable Through Title V Permit
73. The facility shall install, calibrate, maintain, and operate a sulfur dioxide CEM at the stack locations in accordance with 40 CFR 60.58b(e) and Appendices B and F. [40 CFR 60.38b] Federally Enforceable Through Title V Permit
74. The facility shall install, calibrate, maintain, and operate a nitrogen oxides CEM at the stack locations in accordance with 40 CFR 60.58b(h) and Appendices B and F. [40 CFR 60.38b and District Rule 4352] Federally Enforceable Through Title V Permit
75. The facility shall install, calibrate, maintain, and operate a carbon monoxide CEM at the stack locations in accordance with 40 CFR 60.58b(i) and Appendices B and F. [40 CFR 60.38b] Federally Enforceable Through Title V Permit
76. The facility shall install, calibrate, maintain, and operate a continuous steam flow monitoring and recording device and a device to measure temperature at the inlet of each particulate matter control device in accordance with 40 CFR 60.58b(i). [40 CFR 60.38b] Federally Enforceable Through Title V Permit
77. The permittee shall be responsible for providing the District access, via telemetry, to the stored computerized data associated with the continuous emission monitoring system. [District Rule 1080, 7.0] Federally Enforceable Through Title V Permit
78. Continuous monitoring and recording equipment shall be provided for the following: No. 2 fuel oil burning rate and temperature. Each combustion unit shall have sufficient monitors to demonstrate combustion unit temperature profile as required in condition 13 and flue gas temperature into the particulate matter control device as required by condition 64. [District Rule 1080, 7.0] Federally Enforceable Through Title V Permit
79. In the event that monitoring or test data show that emissions from the facility exceed any emission limitation conditions of this Permit to Operate, the permittee shall take immediate corrective action to bring the plant's emissions within these limitations. [District NSR Rule] Federally Enforceable Through Title V Permit
80. Emissions in excess of those allowed by this permit shall be cause for the District to order an immediate reduction in fuel feed rate or to take other appropriate abatement action. [District Rule 2080] Federally Enforceable Through Title V Permit
81. The permittee shall notify the District of any emission violation by the next working day after such violation has occurred. [District Rule 2080] Federally Enforceable Through Title V Permit
82. Performance testing to demonstrate compliance with permit conditions shall be conducted annually (at least every calendar year but no later than 12 months from previous performance testing). The main exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples using approved test methods. [District Rules 1081 - 3.0, 4.0, 4352 - 6.2.1 & PSD SJ 86-03] Federally Enforceable Through Title V Permit
83. All emission measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in this Permit to Operate. [District Rule 4352] Federally Enforceable Through Title V Permit
84. No compliance determination shall be established within two hours after a period in which fuel flow to the unit is zero, or is shut off for 30 minutes or longer. [District Rule 4352] Federally Enforceable Through Title V Permit

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85. Performance testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any performance test, and a test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
86. The results of each performance test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3] Federally Enforceable Through Title V Permit
87. Performance tests shall include a test of both combustion unit exhausts following the baghouse for the following parameters, corrected to 12% CO₂ on a dry basis: Oxides of nitrogen emissions; Total hydrocarbons, as methane; Carbon monoxide; Sulfur dioxide; Concentrations of gaseous ammonia (NH₃); and Exhaust flow rate, wet and dry. [District Rule 1081, 4.0] Federally Enforceable Through Title V Permit
88. Performance tests shall include: Total particulate matter emission concentration corrected to 12% CO₂ and shall be conducted including the condensable portion in the "back half"; and Filterable particulate matter emission concentration corrected to 12% CO₂ and shall be conducted including only "front-half". If the measured Filterable particulate matter emission concentration is greater than 0.008 gr/dscf, corrected to 12% CO₂, testing shall be conducted to verify compliance with condition 29. [District Rule 1081, 4.0] Federally Enforceable Through Title V Permit
89. Performance tests shall include a test of both combustion unit exhausts following the baghouse for the following parameters, corrected to 12% CO₂ on a dry basis: Polynuclear aromatic hydrocarbons (Benzo-A-Pyrene, Benzo-E-Pyrene, Benzo-A-Anthracene, and Coronene and PCB); and Dioxins and Furans. [District Rule 1081, 4.0] Federally Enforceable Through Title V Permit
90. The following Dioxin isomers & homologues shall be measured in both the combustion unit exhausts: 2,3,7,8 tetra CDD; total tetra CDD; 1,2,3,7,8 penta CDD; total penta CDD; 1,2,3,4,7,8 hexa CDD; 1,2,3,6,7,8 hexa CDD; 1,2,3,7,8,9 hexa CDD; total hexa CDD; 1,2,3,4,6,7,8 hepta CDD; total hepta CDD; total octa CDD. [District Rule 1081, 4.0] Federally Enforceable Through Title V Permit
91. The following Furan isomers & homologues shall be measured in both the combustion unit exhausts: 2,3,7,8 tetra CDF; total tetra CDF; 1,2,3,7,8 penta CDF; 2,3,4,7,8 penta CDF; total penta CDF; 1,2,3,4,7,8 hexa CDF; 1,2,3,6,7,8 hexa CDF; 1,2,3,7,8,9 hexa CDF; 2,3,4,6,7,8 hexa CDF; total hexa CDF; 1,2,3,4,6,7,8 hepta CDF; 1,2,3,4,7,8,9 hepta CDF; total hepta CDF; total octa CDF. [District Rule 1081, 4.0] Federally Enforceable Through Title V Permit
92. The facility may elect to alternate Dioxin/Furan testing on each stack, if the previous two years indicate Dioxin/Furan emissions levels are less than or equal to 15 ng/dscm total mass, corrected to 12% CO₂. [40 CFR 60.38b and District Rule 4102] Federally Enforceable Through Title V Permit
93. Performance tests of both combustion unit exhausts shall be performed for HCl, corrected to 12% CO₂ on a dry basis, and for the following heavy metals, corrected to 12% CO₂ on a dry basis: Antimony, Arsenic, Beryllium, Cadmium, Total Chromium (5% of the total chromium shall be considered to be hexavalent chromium), Copper, Lead, Manganese, Mercury, Nickel, Selenium, Vanadium, and Zinc. [District Rule 1081, 4.0] Federally Enforceable Through Title V Permit
94. A performance test of both combustion unit exhausts shall be performed for HF, corrected to 12% CO₂ on a dry basis. [District Rule 4102]
95. Cooling tower drift shall not exceed 0.005 percent of the circulating water flow or a maximum annual drift emission rate of 1,090,000 kg/year as demonstrated by design calculations. Chromium compounds shall not be used as an additive in the cooling tower water. [District Rule 4102 and 40 CFR 63 Subpart Q] Federally Enforceable Through Title V Permit
96. Soot blowers or super heater rappers shall be operated in a mode consistent with normal cleaning requirements of the system during the performance tests. [District Rule 1081, 4.0] Federally Enforceable Through Title V Permit
97. The facility shall submit an annual report in accordance with 40 CFR 60.59b(g) by February 1 of each year following the calendar year in which the data were collected. [40 CFR 60.39b] Federally Enforceable Through Title V Permit
98. The facility shall submit semiannual reports within 31 days following the end of each 6 month period in accordance with 40 CFR 60.59b(h). [40 CFR 60.39b] Federally Enforceable Through Title V Permit

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99. A monthly report summarizing the quantity of pollutant emissions of SO₂, NO_x, and CO, based on data from the CEM system, shall be included in the information required by following condition. Copies of the monthly reports prepared pursuant to this condition shall be sent to the district office by the 15th day of the following month. For all pollutants monitored by the CEM system which require correction or adjustment of the raw values reported by the CEM system for flue gas diluent concentrations, a diluent cap equivalent to a minimum carbon dioxide (CO₂) concentration of 5 percent (%) or a maximum oxygen (O₂) concentration of 14% shall be applied for purposes of demonstrating compliance with all limits on emissions of such pollutants during any period of startup, shutdown, or malfunction, including, but not limited to, a loss of boiler water level control or loss of combustion air control. Permittee shall identify all periods during which a diluent cap has been applied in the monthly reports submitted pursuant to this condition [District Rule 1070, 4.0] Federally Enforceable Through Title V Permit
100. Permittee shall maintain a complete file containing all measurements, records, required monitoring data and support information. Support information includes copies of all reports required by this permit and for continuous monitoring instrumentation, and all calibration and maintenance records. This file shall include, but not be limited to: (a) Data collected from in-stack monitoring instruments; (b) Input rate records for all fuels burned; (c) Purchase records that indicate the sulfur content, by weight, of all fuel oil #2 purchased; (d) Results of all source tests; (e) All other air pollution system performance evaluations and records of calibration checks, calibration gas cylinder changes, adjustments and maintenance performed on all equipment (including CEM adjustment or maintenance). [District Rule 1070, 4.0 & PSD SJ 86-03] Federally Enforceable Through Title V Permit
101. Records shall be kept for each unit with the following: (a) Specific time of operation of each combustion unit; (b) Specific time of operation of the auxiliary burners; (c) Equipment breakdowns or malfunctions; (d) Exceedances of emission standards. [District Rule 1070, 4.0] Federally Enforceable Through Title V Permit
102. The permittee shall follow all written maintenance procedures and schedules for the following: all emissions control equipment, combustion units, and monitoring equipment for measuring emission levels. [District Rule 1070, 4.0] Federally Enforceable Through Title V Permit
103. Operating and maintenance manuals, subject to District review, shall be provided for the equipment covered by this permit. The permittee's operators shall be trained in the operation and maintenance of both fuel burning and pollution control equipment. [District Rule 1070, 4.0] Federally Enforceable Through Title V Permit
104. If the Fuel Oil #2 is Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.25% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
105. If the Fuel Oil #2 is non-certified for sulfur content of less than 0.25% by weight, then the owner or operator shall determine the sulfur content of each delivery of Fuel Oil being fired. The sulfur content shall be determined using ASTM method D 2880. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
106. Permittee shall provide access to all sampling ports and platforms on boiler exhaust stacks in accordance with 40 CFR 60.8(e) and District Rule 1081 (as amended 12/16/93). [District Rule 1081, 3.3; & PSD SJ 86-03] Federally Enforceable Through Title V Permit
107. The SO₂ emissions from both combustion units shall be more stringent of 35.6 lb/hr or 42 ppm, dry, corrected to 12% CO₂, averaged over three hour period and more stringent of 33.3 lb/hr or 40 ppm, dry, corrected to 12% CO₂, averaged over a 24 hour period. [PSD SJ 86-03] Federally Enforceable Through Title V Permit
108. The NO_x emissions from both combustion units shall be more stringent of 107 lb/hr or 175 ppm, dry, corrected to 12% CO₂, averaged over three hour period and more stringent of 100 lb/hr or 165 ppm, dry, corrected to 12% CO₂, averaged over a 24 hour period. [PSD SJ 86-03 and Rule 4352] Federally Enforceable Through Title V Permit
109. The CO emissions from both combustion units shall be 33.3 lb/hr or 400 ppm, dry, corrected to 12% CO₂ (3-hour average). [PSD SJ 86-03] Federally Enforceable Through Title V Permit
110. The Mercury emissions from both combustion units shall not exceed 0.083 lb/hr (3-hour average) as measured by EPA Method 101. Upon EPA approval of a change to the facility PSD permit allowing Method 29 to be used in place of Method 101, Method 29 may be used to measure Mercury emissions. (40 CFR Part 61, Appendix B). [PSD SJ 86-03] Federally Enforceable Through Title V Permit

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111. Permittee shall submit a written report of all excess emissions to EPA (Attn: A-3-3) for every calendar quarter. The report shall include the following: (a) the magnitude of excess emissions computed in accordance with 40 CFR 60.13(h), any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions. (b) Specific identification of each time period of excess emissions that occurs during startups, shutdowns, and malfunctions of furnace/boiler system. The nature and cause of malfunction (if known) and corrective action taken or preventive measures adopted shall be reported. (c) The date and time identifying each period during which continuous monitoring system was inoperative except for zero and span checks, and the nature of the system repairs and adjustments. (d) When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in report. (e) Excess emissions shall be defined as any three-hour period during which the average emissions of NO_x, SO₂, and/or CO, as measured by continuous monitoring system exceeds the NO_x, SO₂, and/or CO emission limit set for each of the pollutants. (f) Excess emissions indicated by the CEM system shall be considered violations of the applicable emission limit for purposes of PSD permit. [PSD SJ 86-03] Federally Enforceable Through Title V Permit
112. The calculation of annual emissions shall commence with the submission of the first fourth-quarter report, and will continue to be calculated and submitted with each successive quarterly report. The quarterly reports shall contain highest annual emissions computed for each week in the quarter, as well as all excesses of the annual emissions limits. [PSD SJ 86-03] Federally Enforceable Through Title V Permit
113. Permittee shall meet all applicable requirements of Subparts A, Db, and E of 40 CFR 60. [PSD SJ 86-03] Federally Enforceable Through Title V Permit
114. Permittee shall comply with following activated carbon mass feed requirements: (1) During the initial performance test and each subsequent performance test for dioxins/furans and mercury, as applicable, the permittee shall calculate and record an average carbon mass feed rate in pounds per hour being employed based on load cell measurements of carbon feed during the test; (2) During operation of the facility, the carbon injection mass feed rate must be measured using load cells, calculated and recorded on an eight (8) hour block average basis, and must equal or exceed the level(s) documented during the most recent performance tests for dioxins/furans and mercury. When calculating the eight (8) hour block average, exclude the hours when the combustion unit is not operational and include the hours when the combustion unit is operating but the carbon feed system is not working properly. [40 CFR 60.38b & 40 CFR 60.58b(m)(1), (2)] Federally Enforceable Through Title V Permit
115. The permittee shall estimate the total carbon usage of the plant (kilograms or pounds) for each calendar quarter by two independent methods, according to the following procedures: (1) The weight of carbon delivered to the plant. (2) The permittee shall estimate the average carbon mass feed rate for each during the operation of each combustion unit, and sum the results for both units at the plant for the total number of hours of operation during the calendar quarter. [40 CFR 60.38b & 40 CFR 60.58b(m)] Federally Enforceable Through Title V Permit
116. Should additional guidance related to the June 3, 1986 PSD remand, applicable to PSD permit action, be developed, the Permittee shall provide to EPA any such analysis, data, or demonstration of compliance with the other requirements within the time required by the guidance. [PSD SJ 86-03] Federally Enforceable Through Title V Permit
117. The Regional Administrator shall be notified by telephone within 48 hours following any failure of air pollution control equipment, process equipment, or of a process to operate in a normal manner which results in an increase in emissions above any allowable emissions limit stated in Section VIII of these conditions. In addition, the Regional Administrator shall be notified in writing within fifteen (15) days of any such failure. This notification shall include a description of the malfunctioning equipment or abnormal operation, the date of the initial failure, the period of time over which emissions were increased due to the failure, the cause of the failure, the estimated resultant emissions in excess of those allowed under Section IX of these conditions, and the methods utilized to restore normal operations. Compliance with this malfunction notification provision shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations which such malfunction may cause. [PSD SJ 86-03] Federally Enforceable Through Title V Permit
118. Facility shall operate only when a fully certified chief facility operator or fully certified shift supervisor is on duty, except as allowed under 40 CFR 60.54b(c)(2). [40 CFR 60.35b] Federally Enforceable Through Title V Permit

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119. All chief facility operators, shift supervisors, and control room operators shall have completed the EPA or State municipal waste combustor operator training course. [40 CFR 60.35b] Federally Enforceable Through Title V Permit
120. Owner or operator shall conduct a performance test for opacity on a calendar year basis (no less than 9 calendar months and no more than 15 calendar months following the previous performance test, and must complete five performance tests in each 5-year calendar period) using EPA Method 9 and the average of three test runs to determine compliance. [40 CFR 60.38b] Federally Enforceable Through Title V Permit
121. Permittee shall establish parameters for the differential pressure across the baghouse filter, which provides a reasonable assurance of ongoing compliance with emission limitations stated in this permit. The initial parameters shall be established using manufacturer/supplier recommendations and by correlating with opacity readings and source test results. These parameters shall be reviewed annually and revised if necessary based on PM10 source test result data, historical operating data and manufacturer/supplier recommendations. [40 CFR Part 64] Federally Enforceable Through Title V Permit
122. The baghouse differential operating pressure shall be monitored and recorded on each day the solid waste combustors/boilers operate. The permittee shall compare the readings with the acceptable range. Upon detecting any excursion from the acceptable range pressure readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. [40 CFR Part 64] Federally Enforceable Through Title V Permit
123. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR 64] Federally Enforceable Through Title V Permit
124. If the District or EPA determine that a Quality improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
125. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR 64.9 [40 CFR Part 64] Federally Enforceable Through Title V Permit
126. During any 96-hour periods of startup or 12-hour periods of shutdown, the facility shall be exempt from emission limits identified in this permit which are based upon District Rule 4352. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during start-up or shutdown. [District Rule 4352] Federally Enforceable Through Title V Permit
127. Upon detecting any excursion from the 10% opacity limit, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. Corrective action shall include the following: inspecting the dust collector system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR Part 64] Federally Enforceable Through Title V Permit
128. The baghouse shall operate at all times with a minimum differential pressure of 2 inches water column and a maximum differential pressure of 10 inches water column [40 CFR Part 64] Federally Enforceable Through Title V Permit
129. The baghouse differential operating pressure shall be monitored and recorded on each day the solid waste combustors/boilers operate. The permittee shall compare the readings with the acceptable range. Upon detecting any excursion from the acceptable range pressure readings, the permittee shall investigate the excursion and take corrective action to minimize excessive emissions and prevent recurrence of the excursion as expeditiously as practicable. Corrective action shall include the following: inspecting the dust collector system for any tears, abrasions, or holes in the filters; inspecting closed duct systems for damage; and repairing or replacing any defective or damaged material. [40 CFR Part 64] Federally Enforceable Through Title V Permit
130. Each time SO₂ emissions from each combustion unit exceeds 30 ppmv, dry, corrected to 12% CO₂, based on an eight-hour rolling average, facility shall demonstrate that SO₂ removal efficiency is at least 80% as measured by EPA Methods 1-4 and 6C, based on the measurement of the inlet and outlet SO₂ concentrations. [40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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131. A permit shield is granted from 40 CFR 60 Subpart Db (2/27/14) requirements for these units because the combustors are exempt from the requirements of Subpart Db since the facility meets the applicability requirements and is subject to an EPA approved State Section 111(d)/129 plan implementing 40 CFR 60 Subpart Db. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
132. A permit shield is granted from 40 CFR 60 Subpart Dc requirements for these units because the units are rated greater than 100 MMBtu/hr and thus don't meet the applicability criteria of Subpart Dc. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
133. A permit shield is granted from District Rule 4305 (8/21/03) requirements since section 4.1.1 of this rule exempts solid fuel fired units. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
134. A permit shield is granted from District Rule 4351 (8/21/03) requirements since section 4.1.2 of this rule exempts solid fuel fired units. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
135. Compliance with the permit conditions in this permit shall be deemed compliance with the requirements of District Rule 4352 (12/15/11). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
136. A permit shield is granted from District Rule 4802 (12/17/92) requirements since the combustors do not meet the definition of sulfuric acid production units. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
137. A permit shield is granted from District Rule 7012 (12/17/92) requirements since the use of cooling water additives containing hexavalent chromium is prohibited. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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San Joaquin Valley

Air Pollution Control District

PERMIT UNIT: N-2073-4-2

EXPIRATION DATE: 10/31/2026

EQUIPMENT DESCRIPTION:

175 BHP CLARKE/JOHN DEERE MODEL JU6H-UFADMG TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, 40 CFR 60 Subpart IIII, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.0 g-CO/bhp-hr, or 0.2 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.09 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems". Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rules 4102, 4701, and 4702, 17 CCR 93115, 40 CFR 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 4701 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. The permittee shall maintain monthly records of the type of fuel purchased. [District Rules 4701 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 4701 and 4702, 17 CCR 93115, 40 CFR 60 Subpart IIII, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the requirements of District Rule 4701 (8/21/03). A permit shield has been granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
14. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the requirements of District Rule 4702 (11/14/13). A permit shield has been granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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